

AMENDMENTS TO THE CLAIMS

Please **CANCEL** claims 104-109 and 116-119 without prejudice or disclaimer.

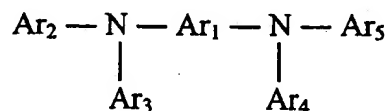
Please **AMEND** claims amend claims 110-115 as shown below.

The following is a complete list of all claims in this application.

1-12 (Cancelled)

13. (Previously Presented) An organic electroluminescence device having at least an anode, a light-emitting zone and a cathode, wherein the light-emitting zone comprises a mixture containing at least two mutually interdispersed compounds, and a spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is different from a spectrum of any one of fluorescent peak positions of the at least two compounds included in the light-emitting zone,

wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material represented by the following formula [1]



wherein Ar₁ designates a substituted or non-substituted arylene group having 5 to 42 carbon atoms, Ar₂ to Ar₅ designate, independently with one another, a substituted or non-substituted aryl group having 6 to 20 carbon atoms, and

wherein at least one of Ar₂ to Ar₅ of the compound represented by the formula [1] has a substituted or non-substituted styryl group as a substituent.

14. (Previously Presented) The organic electroluminescence device according to claim 13 wherein the spectrum of the luminescence from the light-emitting zone includes at least

one peak at a wavelength which is longer than any one of the fluorescent peak positions of the separate compounds included in the light-emitting zone.

15. (Previously Presented) The organic electroluminescence device according to claim 13 wherein the light-emitting zone comprises a mixture containing at least two electroluminescent materials.

16. (Previously Presented) The organic electroluminescence device according to claim 14 wherein the light-emitting zone comprises a mixture containing at least two electroluminescent materials.

17. (Previously Presented) The organic electroluminescence device according to claim 13 wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material and one fluorescence material.

18. (Previously Presented) The organic electroluminescence device according to claim 14 wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material and one fluorescence material.

Claims 19-28 (Cancelled)

29. (Original) The organic electroluminescence device according to claim 13 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

30. (Original) The organic electroluminescence device according to claim 14 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted

fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

31. (Original) The organic electroluminescence device according to claim 15 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

32. (Original) The organic electroluminescence device according to claim 16 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

33. (Original) The organic electroluminescence device according to claim 17 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

34. (Original) The organic electroluminescence device according to claim 18 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

Claims 35-46 (Cancelled)

47. (Original) The organic electroluminescence device according to claim 13 wherein the light-emitting zone is adjacent to the anode.

48. (Original) The organic electroluminescence device according to claim 14 wherein the light-emitting zone is adjacent to the anode.

49. (Original) The organic electroluminescence device according to claim 15 wherein the light-emitting zone is adjacent to the anode.

50. (Original) The organic electroluminescence device according to claim 16 wherein the light-emitting zone is adjacent to the anode.

51. (Original) The organic electroluminescence device according to claim 17 wherein the light-emitting zone is adjacent to the anode.

52. (Original) The organic electroluminescence device according to claim 18 wherein the light-emitting zone is adjacent to the anode.

Claims 53 - 62 (Cancelled)

63. (Original) The organic electroluminescence device according to claim 29 wherein the light-emitting zone is adjacent to the anode.

64. (Original) The organic electroluminescence device according to claim 30 wherein the light-emitting zone is adjacent to the anode.

65. (Original) The organic electroluminescence device according to claim 31 wherein the light-emitting zone is adjacent to the anode.

66. (Original) The organic electroluminescence device according to claim 32 wherein the light-emitting zone is adjacent to the anode.

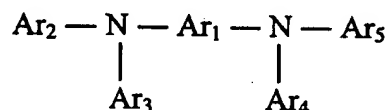
67. (Original) The organic electroluminescence device according to claim 33 wherein the light-emitting zone is adjacent to the anode.

68. (Original) The organic electroluminescence device according to claim 34 wherein the light-emitting zone is adjacent to the anode.

69. (Previously Presented) An organic electroluminescence device having at least an anode, a light-emitting zone and a cathode, wherein the light-emitting zone comprises a mixture containing at least two mutually interdispersed compounds, and a spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is different from a spectrum of any one of fluorescent peak positions of the at least two compounds included in the light-emitting zone,

wherein a hole-injecting zone is present between the anode and the light-emitting zone.,
and

wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material represented by the following formula [1]



wherein Ar₁ designates a substituted or non-substituted arylene group having 5 to 42 carbon atoms, Ar₂ to Ar₅ designate, independently with one another, a substituted or non-substituted aryl group having 6 to 20 carbon atoms.

70. (Previously Presented) The organic electroluminescence device according to claim 69 wherein the spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is longer than any one of the fluorescent peak positions of the separate compounds included in the light-emitting zone.

71. (Previously Presented) The organic electroluminescence device according to claim 69 wherein the light-emitting zone comprises a mixture containing at least two electroluminescent materials.

72. (Previously Presented) The organic electroluminescence device according to claim 70 wherein the light-emitting zone comprises a mixture containing at least two electroluminescent materials.

73. (Previously Presented) The organic electroluminescence device according to claim 69 wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material and one fluorescence material.

74. (Previously Presented) The organic electroluminescence device according to claim 70 wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material and one fluorescence material

75. (Cancelled)

76. (Cancelled)

77. (Cancelled)

78. (Cancelled)

79. (Cancelled)

80. (Cancelled)

81. (Original) The organic electroluminescence device according to claim 13 wherein a hole-injecting zone is present between the anode and the light-emitting zone.

82. (Original) The organic electroluminescence device according to claim 14 wherein a hole-injecting zone is present between the anode and the light-emitting zone.

83. (Original) The organic electroluminescence device according to claim 15 wherein a hole-injecting zone is present between the anode and the light-emitting zone.

84. (Original) The organic electroluminescence device according to claim 16 wherein a hole-injecting zone is present between the anode and the light-emitting zone.

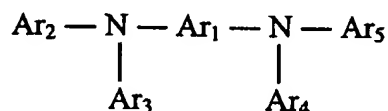
85. (Original) The organic electroluminescence device according to claim 17 wherein a hole-injecting zone is present between the anode and the light-emitting zone.

86. (Original) The organic electroluminescence device according to claim 18 wherein a hole-injecting zone is present between the anode and the light-emitting zone.

87. (Previously Presented) An organic electroluminescence device having at least an anode, a light-emitting zone and a cathode, wherein the light-emitting zone comprises a mixture containing at least two mutually interdispersed compounds, and a spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is different from a spectrum of any one of fluorescent peak positions of the at least two compounds included in the light-emitting zone,

wherein a hole-injecting zone is present between the anode and the light-emitting zone,
and

wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material represented by the following formula [1]



wherein Ar₁ designates a substituted or non-substituted arylene group having 5 to 42 carbon atoms, Ar₂ to Ar₅ designate, independently with one another, a substituted or non-substituted aryl group having 6 to 20 carbon atoms, and

wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

88. (Previously Presented) The organic electroluminescence device according to claim 70 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound

89. (Previously Presented) The organic electroluminescence device according to claim 73 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

90. (Previously Presented) The organic electroluminescence device according to claim 74 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

91. (Cancelled)

92. (Cancelled)

93. (Cancelled)

94. (Cancelled)

95. (Cancelled)

96. (Cancelled)

97. (Previously Presented) The organic electroluminescence device according to claim 81 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

98. (Previously Presented) The organic electroluminescence device according to claim 82 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

99. (Previously Presented) The organic electroluminescence device according to claim 83 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

100. (Previously Presented) The organic electroluminescence device according to claim 84 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

101. (Previously Presented) The organic electroluminescence device according to claim 85 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

102. (Original) The organic electroluminescence device according to claim 34 wherein a hole-injecting zone is present between the anode and the light-emitting zone.

103. (Previously Presented) The organic electroluminescence device according to any one of claims 47 to 52, 63-74, 81-90, and 97-102 wherein an electron-injecting zone is present between the cathode and the light-emitting zone.

104. (Cancelled)

105. (Cancelled)

106. (Cancelled)

107. (Cancelled)

108. (Cancelled)

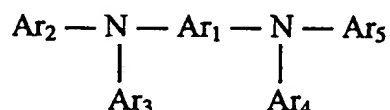
109. (Cancelled)

110. (Currently Amended) An organic electroluminescence device having at least an anode, a light-emitting zone and a cathode, wherein the light-emitting zone comprises a mixture containing at least two mutually interdispersed compounds, and a spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is different from a spectrum of any one of fluorescent peak positions of the at least two compounds included in the light-emitting zone,

wherein the light-emitting zone is adjacent to the anode;

wherein an electron-injecting zone is present between the cathode and the light-emitting zone; and

~~The organic electroluminescence device according to claim 104~~ wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material represented by the following formula [1]



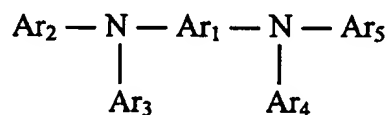
wherein Ar1 designates a substituted or non-substituted arylene group having 5 to 42 carbon atoms, Ar2 to Ar5 designate, independently with one another, a substituted or non-substituted aryl group having 6 to 20 carbon atoms.

111. (Currently Amended) An organic electroluminescence device having at least an anode, a light-emitting zone and a cathode, wherein the light-emitting zone comprises a mixture containing at least two mutually interdispersed compounds, and a spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is different from a spectrum of any one of fluorescent peak positions of the at least two compounds included in the light-emitting zone,

wherein the light-emitting zone is adjacent to the anode;

wherein an electron-injecting zone is present between the cathode and the light-emitting zone, wherein the spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is longer than any one of the fluorescent peak positions of the separate compounds included in the light-emitting zone; and

~~The organic electroluminescence device according to claim 105~~ wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material represented by the following formula [1]



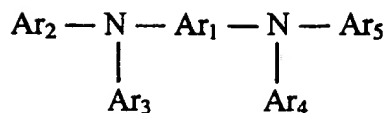
wherein Ar1 designates a substituted or non-substituted arylene group having 5 to 42 carbon atoms, Ar2 to Ar5 designate, independently with one another, a substituted or non-substituted aryl group having 6 to 20 carbon atoms.

112. (Currently Amended) An organic electroluminescence device having at least an anode, a light-emitting zone and a cathode, wherein the light-emitting zone comprises a mixture containing at least two mutually interdispersed compounds, and a spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is different from a spectrum of any one of fluorescent peak positions of the at least two compounds included in the light-emitting zone;

wherein the light-emitting zone is adjacent to the anode; and

wherein an electron-injecting zone is present between the cathode and the light-emitting zone, wherein the light-emitting zone comprises a mixture containing at least two electroluminescent materials,

~~The organic electroluminescence device according to claim 106~~ wherein light-emitting zone ~~comprises a mixture containing~~ at least one electroluminescent material is represented by the following formula [1]



wherein Ar1 designates a substituted or non-substituted arylene group having 5 to 42 carbon atoms, Ar2 to Ar5 designate, independently with one another, a substituted or non-substituted aryl group having 6 to 20 carbon atoms.

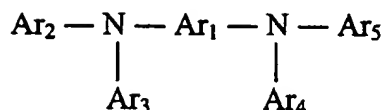
113. (Currently Amended) An organic electroluminescence device having at least an anode, a light-emitting zone and a cathode, wherein the light-emitting zone comprises a mixture containing at least two mutually interdispersed compounds, and a spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is different from a spectrum of any one of fluorescent peak positions of the at least two compounds included in the light-emitting zone;

wherein the light-emitting zone is adjacent to the anode;

wherein an electron-injecting zone is present between the cathode and the light-emitting zone, the spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is longer than any one of the fluorescent peak positions of the separate compounds included in the light-emitting zone; and

wherein the light-emitting zone comprises a mixture containing at least two electroluminescent materials, wherein

~~The organic electroluminescence device according to claim 107 wherein light emitting zone comprises a mixture containing~~ at least one electroluminescent material is represented by the following formula [1]



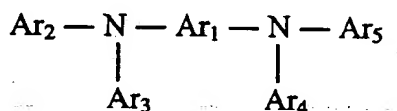
wherein Ar1 designates a substituted or non-substituted arylene group having 5 to 42 carbon atoms, Ar2 to Ar5 designate, independently with one another, a substituted or non-substituted aryl group having 6 to 20 carbon atoms.

114. (Currently Amended) An organic electroluminescence device having at least an anode, a light-emitting zone and a cathode, wherein the light-emitting zone comprises a mixture containing at least two mutually interdispersed compounds, and a spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is different from a spectrum of any one of fluorescent peak positions of the at least two compounds included in the light-emitting zone;

wherein the light-emitting zone is adjacent to the anode;

wherein an electron-injecting zone is present between the cathode and the light-emitting zone, and wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material and one fluorescence material,

~~The organic electroluminescence device according to claim 108 wherein light emitting zone comprises a mixture containing the~~ at least one electroluminescent material is represented by the following formula [1]



wherein Ar1 designates a substituted or non-substituted arylene group having 5 to 42 carbon atoms, Ar2 to Ar5 designate, independently with one another, a substituted or non-substituted aryl group having 6 to 20 carbon atoms.

115. (Currently Amended) An organic electroluminescence device having at least an anode, a light-emitting zone and a cathode, wherein the light-emitting zone comprises a mixture containing at least two mutually interdispersed compounds, and a spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is different from a spectrum of any one of fluorescent peak positions of the at least two compounds included in the light-emitting zone;

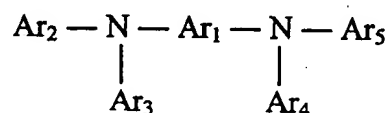
wherein the light-emitting zone is adjacent to the anode;

wherein an electron-injecting zone is present between the cathode and the light-emitting zone;

wherein the spectrum of the luminescence from the light-emitting zone includes at least one peak at a wavelength which is longer than any one of the fluorescent peak positions of the separate compounds included in the light-emitting zone; and

wherein the light-emitting zone comprises a mixture containing at least one electroluminescent material and one fluorescence material, and the

~~The organic electroluminescence device according to claim 109 wherein light emitting zone comprises a mixture containing the~~ at least one electroluminescent material is represented by the following formula [1]



wherein Ar1 designates a substituted or non-substituted arylene group having 5 to 42 carbon atoms, Ar2 to Ar5 designate, independently with one another, a substituted or non-substituted aryl group having 6 to 20 carbon atoms. '

116. (Cancelled)

117. (Cancelled)

118. (Cancelled)

119. (Cancelled)

120. (Previously Presented) The organic electroluminescence device according to claim 110 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

121. (Previously Presented) The organic electroluminescence device according to claim 111 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

122. (Previously Presented) The organic electroluminescence device according to claim 112 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

123. (Previously Presented) The organic electroluminescence device according to claim 113 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

124. (Previously Presented) The organic electroluminescence device according to claim 114 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.

125. (Previously Presented) The organic electroluminescence device according to claim 115 wherein the light-emitting zone comprises a mixture containing at least one of fluorescence materials such as a substituted or non-substituted aromatic hydrocarbon, a substituted or non-substituted fused polycyclic hydrocarbon, a substituted or non-substituted heterocyclic compound, and a substituted or non-substituted fused heterocyclic compound.